

ABSTRACT

Signal management control units 47₁-47_n of respective scan drivers LSI in an LCD module are cascade-connected and each have the same construction. A detected signal of the signal management control unit 47J is a data signal latch clock LP applied to a terminal CKB₁. A detected signal of the signal management control unit 47₂ is a frame start signal SP applied to a terminal CKB₂. A detected signal of the signal management control unit 47n is an AC-transforming clock FR applied to a terminal CKBn. The signal management control unit 47₁ includes a signal stop detection circuit 48 serving as a signal detection means for detecting a stop of the detected signal and a sequence processing circuit 51 consisting of a signal delay circuit 49 and a logic circuit 50. When stopping oscillations of, e. g., the frame start signal SP, outputs T₁-T_n of the circuit 51 change to an L level. Hence, a display-off signal DF of the LCD module assumes the L level. A liquid crystal panel is forcibly set in a display-off mode. As a result, even if the frame start signal SP is stopped due to some cause, a liquid crystal application voltage is set down to zero. It is, therefore, possible to avoid a liquid crystal DC drive and prevent a deterioration of the liquid crystal.